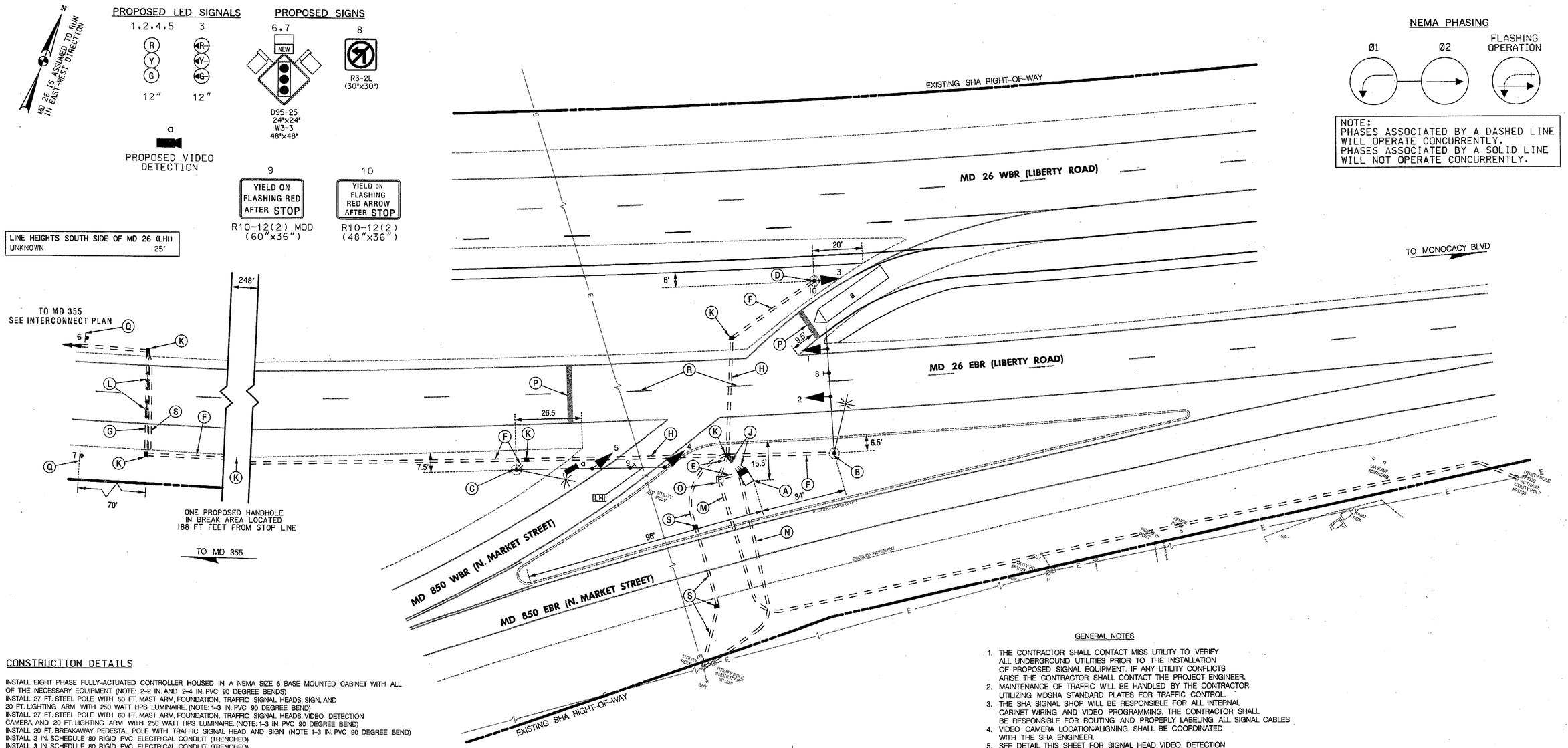

CONSTRUCTION DETAILS

A. INSTALL EIGHT PHASE FULLY-ACTUATED CONTROLLER HOUSED IN A NEMA SIZE 6 BASE MOUNTED CABINET WITH ALL OF THE NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. PVC 90 DEGREE BENDS)
B. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, SIGN, AND 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
C. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, AND 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
D. INSTALL 20 FT. BREAKAWAY PEDESTAL POLE WITH TRAFFIC SIGNAL HEAD AND SIGN (NOTE 1-3 IN. PVC 90 DEGREE BEND)
E. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
K. INSTALL ELECTRICAL HANDHOLE
L. INSTALL NON-INVASIVE MICROLOOP PROBE (SET OF TWO)
M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORE UNDER ROADWAY AND TRENCH OTHER SECTIONS) – FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A ONE FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
N. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORE UNDER ROADWAY AND TRENCH OTHER SECTIONS) – FOR PROPOSED TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
O. INSTALL METERED SERVICE PEDESTAL (NOTE 3-2 IN. PVC 90 DEGREE BENDS, 1-4 IN. PVC 90 DEGREE BEND, AND 1-3/4 IN. PVC 90 DEGREE BEND)
P. INSTALL 24 IN. HEAT APPLIED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE
Q. INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE 4 IN.X 6 IN. WOOD POST
R. REMOVE EXISTING PERMANENT PAVEMENT LINE MARKINGS
S. EQUIPMENT INSTALLED FOR PROPOSED INTERCONNECT (SEE INTERCONNECT PLAN)

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING AND VIDEO PROGRAMMING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES
4. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
5. SEE DETAIL THIS SHEET FOR SIGNAL HEAD, VIDEO DETECTION CAMERA, AND SIGN LAYOUT.
6. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
7. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
8. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
9. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
10. DISTRICT 7 MAINTENANCE FORCES WILL REMOVE THE D95-25 PANEL AND FLAGS THREE MONTHS AFTER SIGNAL TURN ON.
11. ALL GEOMETRIC MODIFICATIONS WILL BE CONSTRUCTED BY OTHERS.
12. ALL LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.

UTILITY LEGEND

SD SD	STORM DRAIN
G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
E E	ELECTRIC CABLES
A A	AERIAL CABLES
T T	TELEPHONE CABLES
F F	FIBER-OPTIC

GEOMETRIC LEGEND

EXISTING
PROPOSED

NOTE:
THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO. _____

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING
331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

APPROVALS		REVISIONS
TEAM LEADER	12-9-09	
ASST. DIV. CHIEF	12-9-09	
DIVISION CHIEF	12-9-09	
OFFICE DIRECTOR	12/01/09	

PLOTTED: TUESDAY, DECEMBER 08, 2009 AT 11:12 PM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 26 (LIBERTY ROAD) AT
MD 850 (NORTH MARKET STREET)

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE DECEMBER 2009 CONTRACT NO. BW996M82

DESIGNED BY MML COUNTY FREDERICK
DRAWN BY MML LOGMILE 10002600.77
CHECKED BY MML T.I.M.S. NO. K017
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-4734 OF SHEET NO. OF